



SCOTIABANK MINING CONFERENCE

December 2020

Cautionary Notes



Cautionary Note Regarding Forward-Looking Statements

Except for statements of historical fact relating to us, certain statements contained in this presentation constitute forward-looking information, future oriented financial information, or financial outlooks (collectively "forward-looking information") within the meaning of Canadian securities laws. Forward-looking information may be contained in this document and our other public filings. Forward-looking information relates to statements concerning our outlook and anticipated events or results and in some cases, can be identified by terminology such as "may", "will", "could", "should", "expect", "plan", "anticipate", "believe", "intend", "estimate", "projects", "predict", "potential", "continue" or other similar expressions concerning matters that are not historical facts.

Forward-looking statements in this presentation are based on certain key expectations and assumptions made by us. Although we believe that the expectations and assumptions on which such forward-looking statements are based are reasonable, undue reliance should not be placed on the forward-looking statements because we can give no assurance that they will prove to be correct. Forward-looking statements are subject to various risks and uncertainties which could cause actual results and experience to differ materially from the anticipated results or expectations expressed in this presentation. The key risks and uncertainties include, but are not limited to: local and global political and economic conditions; governmental and regulatory requirements and actions by governmental authorities, including changes in government policy, government ownership requirements, changes in environmental, tax and other laws or regulations and the interpretation thereof; developments with respect to the coronavirus disease 2019 ("COVID-19") pandemic, including the duration, severity and scope of the pandemic and potential impacts on mining operations; risks associated with the merger transaction with Alacer Gold Corp. ("Alacer Gold"); and other risk factors detailed from time to time in our reports filed with the Canadian securities regulatory authorities.

Forward-looking statements in this presentation include statements concerning, among other things: forecasts; outlook; timing of production; our intention to return excess attributable free cash flow to shareholders; the timing and implementation of the dividend policy; the granting of any 'Supplemental Dividends' or the implementation of any share buyback program or other supplements to the 'Base Dividend'; statements regarding plans or expectations for the declaration of future dividends and the amount thereof; future cash costs and all-in sustaining costs ("AISC") per payable ounce of gold, silver and other metals sold; the prices of gold, silver and other metals; our ability to discover new areas of mineralization, to add Mineral Reserves, including establishing a new Mineral Reserves estimate at Gap Hanging Wall at Seabee Gold Operation ("Seabee") by year-end 2020, and to define additional Mineral Resources, including the discovery of additional Mineral Resources at Trenton Canyon, Valmy, East Basalt, and Crossfire; the continued construction of our new leach pad at the Marigold Mine ("Marigold"), including the expected completion and timing thereof; the timing and extent of capital investment at our operations; the timing and extent of capitalized stripping at our operations; the timing of production and production levels and our expected drill programs at each of Marigold, Seabee and Puna Operations ("Puna"), including the estimated mine life at each of these operations; production for the second half of the year being weighted towards the fourth quarter due to both Seabee and Puna ramping up operations following COVID-19 shutdowns, stacking of higher-grade ounces later in the year at Marigold and higher processed grades during the fourth quarter at the Çöpler Gold Mine ("Çöpler"); free cash flow generation being heavily weighted to the fourth quarter due to the timing of certain expenditures; the results of the 2020 Çöpler technical report, including the timing and preliminary capital estimate for the proposed flotation circuit, the impact of the proposed flotation circuit on total sulfide plant throughput and gold production and the results of production and exploration generally; the impact of the COVID-19 outbreak on our business and financial condition, including the ability to continue operations at Seabee and Puna based on the implementation of our phased restart plans; the timing, focus and results of our exploration and development programs, including our ability to achieve certain exploration objectives at Marigold and Seabee and our ability to fast track the extension at Çöpler; Çöpler and Marigold continuing to operate with limited impact from COVID-19, including exploration activities continuing as planned; current financial resources being sufficient to carry out plans, commitments and business requirements for the next twelve months; movements in commodity prices not impacting the value of any financial instruments; estimated production rates for gold, silver and other metals produced by us; the estimated cost of sustaining capital; ongoing or future development plans and capital replacement; estimates of expected or anticipated economic returns from our mining projects, including future sales of metals, concentrate or other products produced by us and the timing thereof; our plans and expectations for our properties and operations; and all other timing, exploration, development, operational, financial, budgetary, economic, legal, social, environmental, regulatory, and political matters that may influence or be influenced by future events or conditions.

Such forward-looking information and statements are based on a number of material factors and assumptions, including, but not limited in any manner to, those disclosed in any other of our filings, and include: the inherent speculative nature of exploration results; the ability to explore; communications with local stakeholders; maintaining community and governmental relations; status of negotiations of joint ventures; weather conditions at our operations; commodity prices; the ultimate determination of and realization of Mineral Reserves; existence or realization of Mineral Resources; the development approach; availability and receipt of required approvals, titles, licenses and permits; sufficient working capital to develop and operate the mines and implement development plans; access to adequate services and supplies; foreign currency exchange rates; interest rates; access to capital markets and associated cost of funds; availability of a qualified work force; ability to negotiate, finalize, and execute relevant agreements; lack of social opposition to our mines or facilities; lack of legal challenges with respect to our properties; the timing and amount of future production; the ability to meet production, cost, and capital expenditure targets; timing and ability to produce studies and analyses; capital and operating expenditures; economic conditions; availability of sufficient financing; the ultimate ability to mine, process, and sell mineral products on economically favorable terms; and any and all other timing, exploration, development, operational, financial, budgetary, economic, legal, social, geopolitical, regulatory and political factors that may influence future events or conditions. While we consider these factors and assumptions to be reasonable based on information currently available to us, they may prove to be incorrect.

You should not place undue reliance on forward-looking information and statements. Forward-looking information and statements are only predictions based on our current expectations and our projections about future events. Actual results may vary from such forward-looking information for a variety of reasons including, but not limited to, risks and uncertainties disclosed in our filings on our website at www.ssrmining.com, on SEDAR at www.sedar.com, on EDGAR at www.sec.gov and on the ASX at www.asx.com.au and other unforeseen events or circumstances. Other than as required by law, we do not intend, and undertake no obligation to update any forward-looking information to reflect, among other things, new information or future events.

All references to "\$" in this presentation are to U.S. dollars unless otherwise stated.

Arđich Preliminary Economic Assessment

The PEA Case is preliminary in nature and includes an economic analysis that is based, in part, on Inferred Mineral Resources. Inferred Mineral Resources are considered too speculative geologically for the application of economic considerations that would allow them to be categorized as Mineral Reserves, and there is no certainty that the results will be realized. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.

Qualified Persons

Except as otherwise set out herein, the scientific and technical information contained in this presentation relating to each of the: Çöpler has been reviewed and approved by Robert L. Clifford and Dr. Cengiz Y. Demirci, each of whom is a qualified person under National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("NI 43-101") and our employee; Marigold has been reviewed and approved by Greg Gibson and James N. Carver, each of whom is a SME Registered Member, a qualified person under NI 43-101 and our employee; Seabee has been reviewed and approved by Samuel Mah, P.Eng., and Jeffrey Kulas, P. Geo., each of whom is a qualified person under NI 43-101 and our employee; and Puna has been reviewed and approved by Robert Gill, P.Eng., and F. Carl Edmunds, P. Geo., each of whom is a qualified person under NI 43-101 and our employee. The qualified persons have verified the information disclosed herein, including the sampling, preparation, security and analytical procedures underlying such information, and are not aware of any significant risks and uncertainties that could be expected to affect the reliability or confidence in the information discussed herein.

Cautionary Note to U.S. Investors

This presentation includes Mineral Reserves and Mineral Resources classification terms that comply with reporting standards in Canada and the Mineral Reserves and the Mineral Resources estimates are made in accordance with NI 43-101. NI 43-101 is a rule developed by the Canadian Securities Administrators that establishes standards for all public disclosure an issuer makes of scientific and technical information concerning mineral projects. These standards differ significantly from the requirements of the SEC set out in SEC Industry Guide 7. Consequently, Mineral Reserves and Mineral Resources information included in this presentation is not comparable to similar information that would generally be disclosed by domestic U.S. reporting companies subject to the reporting and disclosure requirements of the SEC. Under SEC standards, mineralization may not be classified as a "reserve" unless the determination has been made that the mineralization could be economically produced or extracted at the time the reserve determination is made. In addition, the SEC's disclosure standards normally do not permit the inclusion of information concerning "Measured Mineral Resources," "Indicated Mineral Resources" or "Inferred Mineral Resources" or other descriptions of the amount of mineralization in mineral deposits that do not constitute "reserves" by U.S. standards in documents filed with the SEC. U.S. investors should understand that "Inferred Mineral Resources" have a great amount of uncertainty as to their existence and great uncertainty as to their economic and legal feasibility. Moreover, the requirements of NI 43-101 for identification of "reserves" are also not the same as those of the SEC, and reserves reported by us in compliance with NI 43-101 may not qualify as "reserves" under SEC standards. Accordingly, information concerning mineral deposits set forth herein may not be comparable with information made public by companies that report in accordance with U.S. standards.

Cautionary Note Regarding Non-GAAP Measures

This presentation includes certain terms or performance measures commonly used in the mining industry that are not defined under International Financial Reporting Standards ("IFRS"), including free cash flow, cash costs and AISC per payable ounce of gold and silver sold, realized metal prices, earnings before interest, taxes, depreciation and amortization ("EBITDA"), adjusted attributable net income, adjusted basic attributable earnings per share, consolidated cash and consolidated net cash. Non-GAAP measures do not have any standardized meaning prescribed under IFRS and, therefore, they may not be comparable to similar measures employed by other companies. We believe that, in addition to conventional measures prepared in accordance with IFRS, certain investors use this information to evaluate our performance. The data presented is intended to provide additional information and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with IFRS. Readers should refer to the endnotes in this presentation for further information regarding how we calculate certain of these measures. Readers should also refer to our management's discussion and analysis, available under our corporate profile at www.sedar.com or on our website at www.ssrmining.com, under the heading "Non-GAAP Financial Measures" for a more detailed discussion of how we calculate such measures and a reconciliation of certain measures to GAAP terms.

Diversified Portfolio of High Quality, Long-Life Assets

Operations and projects across six jurisdictions



High Quality Diversified Portfolio

- 2020 production: 680 – 760 koz AuEq ⁽¹⁾
- 9+ Moz AuEq Mineral Reserves ⁽²⁾
- 21+ year cornerstone asset life ⁽³⁾

Free Cash Flow Leader

- Peer leading free cash flow generation ^(4,5)
- 2020 AISC: \$965 - \$1,040 / oz AuEq ^(1,7)
- Two-tiered capital return policy implemented
- Base dividend implies ~\$60/oz / 1.1% yield

Balance Sheet Strength

- Consolidated Cash: US\$773M ⁽⁶⁾
- Consolidated Net Cash: US\$315M ⁽⁶⁾
- Ability to fund organic growth

Organic Growth Potential

- High return, low capital intensity near-term growth
- 24+ Moz AuEq M&I Mineral Resources ⁽²⁾
- 5+ Moz AuEq Inferred Mineral Resources ⁽²⁾
- Six district scale land packages totalling 375,000+ ha

Experienced Leadership

- Track record of value creation, achieving guidance & building assets
- Diverse mining and processing skill set



- 3 Operating Gold Assets: Çöpler, Marigold & Seabee
- 1 Operating Silver Asset: Puna
- 2 Greenfield Projects: Pitarrilla & San Luis
- 20+ Near-Mine and Stand-Alone Exploration Properties
- 4 Public Company Equity Interests
- 19 Royalty Interests

Developing a Sustainable Legacy

Successful culture focused on discipline and integrity ⁽⁸⁾

Environmental Responsibility



- ✓ Zero significant environmental incidents or spills
- ✓ Focus on tailings management
- ✓ Excellence in cyanide management

Turkey

- Investigating introduction of solar power

U.S.

- First mine in the world to be certified under the International Cyanide Management Code

Canada

- Reduced cyanide consumption by 60% under SSR Mining ownership

Argentina

- Extensive EIA process

Safe Production



- ✓ Zero fatalities
- ✓ COVID-19 management plans at all sites and offices
- ✓ Improved Total Recordable Injury Frequency Rate
- ✓ Continuous improvement in critical controls

Turkey

- 22M lost-time injury free hours
- Total Recordable Injury Frequency Rate (per million hours worked) of 2.57

U.S., Canada, Argentina

- Total Recordable Injury Frequency Rate (per 200,000 hours worked) of 2.18
- No diagnosed occupational illnesses

Governance, Social Performance and Diversity



- ✓ Material investment in communities
- ✓ Social development funds
- ✓ Focus on local procurement and employment
- ✓ Diversity and inclusion across the organization

Turkey

- +\$1.3B total procurement spend since 2015
- 99% of workforce is Turkish
- 142 academic scholarships (50% female)

U.S., Canada

- Diversity scholarships at universities
- 34% of employees identify as Indigenous

Argentina

- 100% of new hires from local communities and 30% of new hires are female
- Six school renovations since 2012

COVID-19 Response and Impact

Protection of our employees & communities is our highest priority



COVID-19 Management Plan

- To mitigate risks to communities, employees and our business, have implemented policies and protocols in response to the COVID-19 pandemic
- All operations continue to work with national and local authorities in accordance with applicable regulations and remain vigilant with respect to on-site activities to protect the health and safety of our employees and stakeholders

Marigold and Çöpler

- Operating with limited impact from COVID-19
- Çöpler mine operator availability suffered resulting in revised mine plan
- Implemented numerous measures to protect employees:
 - Quarantining
 - Testing
 - Ensuring physical distancing
 - Additional protective equipment

Seabee

- Phased re-start in Q3 2020
- July 2020: ore extraction and development rates ramped up
- August 2020: milling operations re-commenced
- Operations have met or exceeded pre-COVID-19 rates since August 2020
- Maintenance of flight and camp operations within determined health and safety protocols continue to be an ongoing focus

Puna

- Infection rates in Jujuy escalated in Q3 2020, impacting operations
- Suspended operations in September to manage camp occupancy, conduct testing and reduce transmission risk
- Mining and milling activities have ramped up back to pre-COVID-19 operating levels at beginning of October
- Strict protocols remain in place within the camp and operations

Near-Term Priorities

Operational delivery focused on free cash flow generation



Near-Term Priorities

Operations

- Continued operational delivery across all mines ✓
- Health & safety focus across the portfolio ✓

Near To Medium-Term Growth:

- Deliver Çöpler Technical Report ✓
- Deliver Ardich preliminary development plans ✓
- Construction of Çöpler sulfide flotation plant (2021) **(Underway)**

Long-Term Growth:

- C2 exploration results ✓
- Global exploration update **(Expected Q4'20 – Q1'21)**
 - Çöpler district, Turkey regional exploration
 - Marigold, Trenton Canyon & Valmy
 - Seabee, Fisher

Growth

Financial

- Capital returns policy ✓
- Anticipate strong quarter financially in Q4 2020 ✓
- Organically fund growth ✓

2020 Production Guidance ⁽¹⁾

Çöpler	Au koz	310 – 360
Marigold	Au koz	225 – 240
Seabee	Au koz	80 – 90
Puna	Ag Moz	4.9 – 5.3
Consolidated	AuEq koz	680 – 760

2020 AISC Guidance ^(1,7)

Çöpler	\$ / Au oz	\$710 – \$760
Marigold	\$ / Au oz	\$1,170 - \$1,230
Seabee	\$ / Au oz	\$770 - \$820
Puna	\$ / Ag oz	\$15.00 - \$17.00
Consolidated	\$ / AuEq oz	\$965 - \$1,040

Growth Capital ⁽¹⁾

Capital Expenditures	\$M	\$57
Exploration	\$M	\$33
Consolidated	\$M	\$90

Significant Financial Strength

Robust balance sheet and credit metrics



Over \$770M of Consolidated Cash ⁽⁶⁾

		Net Debt to 2021E EBITDA ⁽¹⁰⁾	Debt	Face Value (\$M)	Maturity	Interest Rate
Market Capitalization ⁽⁹⁾	~\$4B	Centamin (0.8x)	Term Loan	US\$228	2023	LIBOR + 3.50% - 3.70%
Debt ⁽⁶⁾	\$458M	IAMGOLD (0.5x)	Convertible Notes	US\$230	2033	2.50%
		Centerra (0.4x)	Credit Facility (\$75M capacity)	US\$0	2021	LIBOR + 2.50% - 4.50%
		SSR Mining (0.3x)				
Consolidated Cash ⁽⁶⁾	\$773M	Alamos (0.3x)				
		B2Gold (0.3x)				
Consolidated Net Debt (Cash) ⁽⁶⁾	(\$315)M	Eldorado	0.1x			
		Evolution	0.2x			
		Equinox	0.3x			
		Endeavour	0.4x			
		OceanaGold	0.4x			
Net Debt to '21 Consensus EBITDA ⁽¹⁰⁾	(0.3x)	Yamana	0.5x			



Capital Return Policy Announced



Capital Allocation Strategy

Continued investment in high-return growth

Maintain peer leading financial strength

Provide sustainable capital returns to shareholders

Base Dividend

Quarterly 'Base Dividend' of \$0.05 per share

Commencing in Q1 2020

Yield of approximately 1.1%

Implies ~\$60/oz



Supplemental Dividend

Periodically assessed should gold price stay above Mineral Reserve price

Based on trailing 12-month excess free cash flow

Share Buybacks

Evaluated periodically in lieu of Supplemental Dividend

Dependent on prevailing market conditions and equity valuations



Overview of Assets

Çöpler: Q3 2020 Results

Location: Turkey **Stage:** Production **Ownership:** 80%
Mining: Open pit **Processing:** Heap leach, POX **Land:** ~17,000 ha

POX Plant



- Strong YTD pre-tax cash flow generation of \$214M
- YTD gold production of 244k ounces, on track for full year guidance
- Sulfide plant continues to efficiently operate above design throughput
- Manganese pit cutback on track to provide access to higher grade ore
- Autoclave 1 shutdown in July indicated autoclave in excellent condition
- Recovery improvement projects underway, some improvement achieved through oxygen injections into leach tanks in late June
- Costs impacted by higher royalty & COVID expense

Mine Site Figures		2020 Guidance ⁽¹⁾	YTD 2020	Q3 2020	Acquisition – Sept 30, 2020
Gold Production	Au koz.	310 – 360	244	77	20
Mine-site AISC ⁽⁷⁾	\$ / Au oz.	\$710 – \$760	\$768	\$796	\$737
Total Capital <i>(Sustaining Capital, Growth Capital, Capitalized Stripping, Exploration)</i>	\$M	\$99	\$48	\$15	\$5
Pre-Tax Cash Flow <i>(Income from Mine Operations + PPA Adjustment + Depreciation – Exploration – Capital Expenditures)</i>	\$M		\$214	\$75	\$31

Çöpler District Master Plan (“CDMP20”): Overview

The next step in defining district potential

Scope of Work

The CDMP20 includes analysis for two production scenarios:

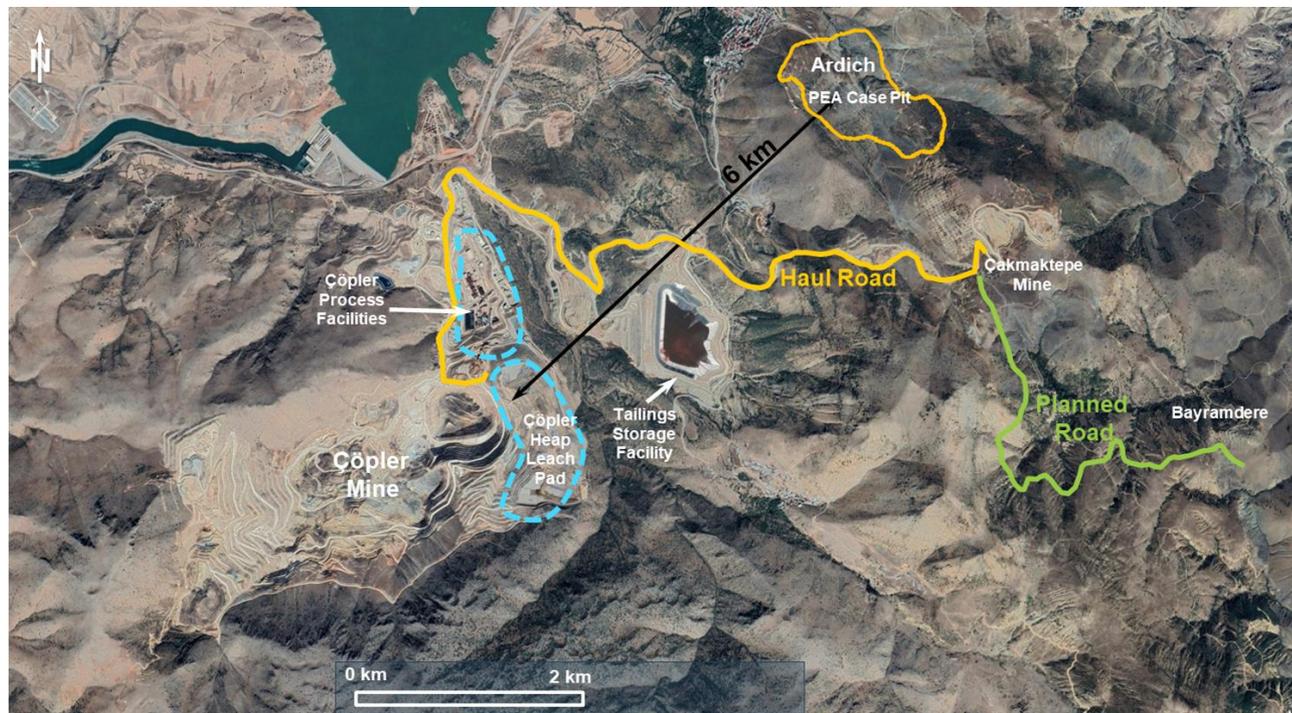
1. Reserve Case ⁽³⁾

- Updates the Çöpler mine technical report based on operating experience
- Incorporates a supplemental flotation circuit to increase plant throughput and lower costs
- Increased Mineral Reserves
 - Additional pit phases
 - Increased tailings capacity
 - Lower processing costs
 - Gold price increase

2. Alternate PEA Case ^(3,17)

- Preliminary development plan for Ardich
- Ardich
 - Pit 6 km from Çöpler
 - Earthwork starting 2022; first gold produced Q1 2023
 - Permitting underway

Çöpler District Map



Core Assumptions ⁽³⁾

Commodity Prices:

- Gold reserve and resource prices: \$1,350/oz and \$1,750/oz, respectively.
- The economic analysis uses long-term consensus metal price assumptions of \$1,585/oz Au, \$20.25/oz Ag, and \$3.05/lb Cu.

Project Infrastructure:

- Current Tailings Storage Facility (TSF 1) will provide storage of tailings for up to 70.8 Mt, sufficient to accommodate the CDMP tailings to be produced.
- Current leach pad consists of four phases designed to accommodate approximately 58 Mt of oxide ore. The additional two phases, 5 and 6, will provide capacity of 20 Mt.

EIA processes include:

- EIA to allow capacity expansion at Çöpler including heap leach pads 5 and 6, TSF expansion and operation of a flotation circuit (permitting process was started in December 2019, public hearing held January 2020, in progress).
- EIA to allow Çakmaktepe second capacity increase to include initial mining from Ardich in the EIA project description file submitted in October 2020.

CDMP20: Reserve Case Summary



Reserve and Resource Highlights ⁽³⁾

- **4.0Moz Reserves**
 - 22% increase in Mineral Reserves
- **7.4Moz Measured & Indicated Resources**
 - 24% increase in M&I Mineral Resources
 - 96% of M&I Mineral Resources on SSR Mining 80%-owned land
- **3.1Moz Inferred Resources**
 - 58% increase in Inferred Mineral Resources

Reserve Case Highlights ⁽³⁾

- **\$1.7B NAV**
- **3.6Moz LOM production**
 - 3.3Moz sulfide gold production
 - 0.3Moz oxide gold production
 - 0.7Moz / 25% increase in LOM production (versus remaining years of 2016 technical report)
- **21-year mine life**
- **266koz/year average production in first 5 years**
- **\$865/oz average AISC in first 5 years**
- **\$224M average annual free cash flow in first 5 years**

Reserve Case Summary ⁽³⁾

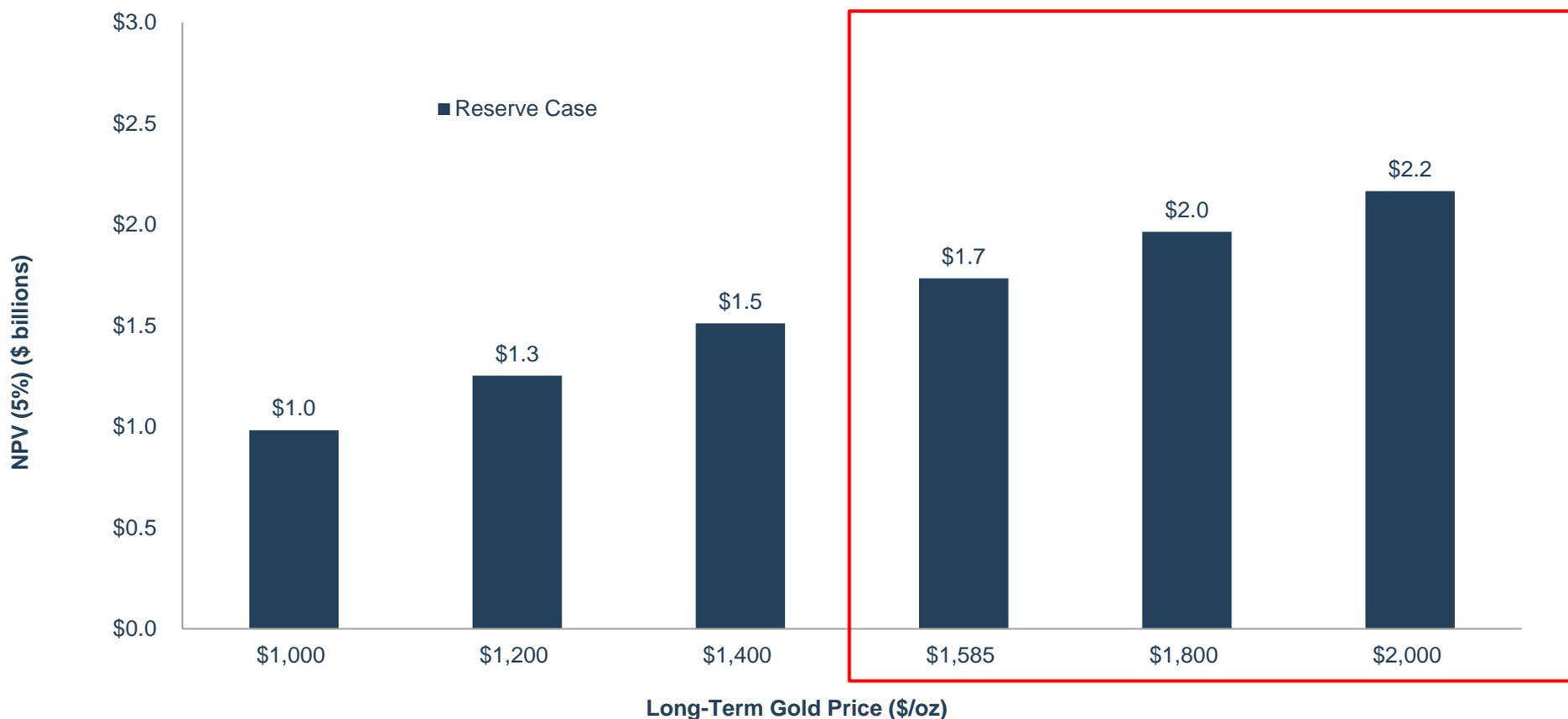
Item	Unit	Reserve Case
Oxide Processed		
Heap Leach Quantity	kt	7,668
Gold Feed Grade	g/t	1.22
Sulfide Processed		
Quantity Milled	kt	51,084
Gold Feed Grade	g/t	2.24
Total Gold Produced		
Oxide – Gold	koz	256
Sulfide – Gold	koz	3,334
Total – Gold	koz	3,591
Oxide – Gold Recovery	%	73
Sulfide – Gold Recovery	%	91
5-Year Annual Average ⁽¹⁵⁾		
Total Gold Produced	oz	266
Production Costs ⁽¹³⁾	\$/oz Au	682
All-in Sustaining Costs (AISC) ⁽¹⁴⁾	\$/oz Au	865
Key Financial Results		
Production Costs ⁽¹³⁾	\$/oz Au	748
All-in Sustaining Costs (AISC) ⁽¹⁴⁾	\$/oz Au	945
Site Operating Costs	\$/t treated	47.09
After-Tax NPV (5%)	\$M	1,733
Mine Life	years	21

CDMP20: Reserve Case Valuation Sensitivities



After-Tax NPV Sensitivity ⁽³⁾

NPV (5%)	Units	Long-Term Gold Price (\$/oz)					
		\$1,000	\$1,200	\$1,400	\$1,585	\$1,800	\$2,000
Reserve Case	\$ billions	\$1.0	\$1.3	\$1.5	\$1.7	\$2.0	\$2.2



▪ Gold prices utilized: 2021 - \$1,965 / oz; 2022 - \$1,835 / oz; 2023 - \$1,745 / oz; 2024 - \$1,645 / oz; Long-Term - \$1,585 / oz

CDMP20: Reserve Case Increased Production

Reserve Case Life of Mine Production Summary ⁽³⁾



	Units	2021 - 2025	2021 - 2030	Life of Mine
Average Annual Production	Au koz	266	224	171
Total Production	Au koz	1,328	2,238	3,591
Production Costs ⁽¹³⁾	\$ / Au oz	\$682	\$737	\$748
AISC ⁽¹⁴⁾	\$ / Au oz	\$865	\$939	\$945
Average Annual Free Cash Flow	\$M	\$224	\$158	\$110
Total Free Cash Flow	\$M	\$1,118	\$1,584	\$2,306

CDMP20: Alternate PEA Case Summary

Building a pathway to +300koz annual production in Turkey



Reserve and Resource Highlights ⁽³⁾

- **4.0Moz Reserves**
 - 22% increase in Mineral Reserves
- **7.4Moz Measured & Indicated Resources**
 - 24% increase in M&I Mineral Resources
 - 96% of M&I Mineral Resources on SSR Mining 80%-owned land
- **3.1Moz Inferred Resources**
 - 58% increase in Inferred Mineral Resources

PEA Case Highlights ^(3,17)

- **\$2.2Bn Potential NAV**
- **4.6Moz LOM production**
 - 3.7Moz sulfide gold production
 - 1.0Moz oxide gold production
 - 1.7Moz / 62% increase in LOM production (versus remaining years of 2016 technical report)
- **22-year mine life**
- **306koz/year average production in first 5 years**
- **\$886/oz average AISC in first 5 years**
- **\$249M average annual free cash flow in first 5 years**

PEA Case Summary ^(3,17)

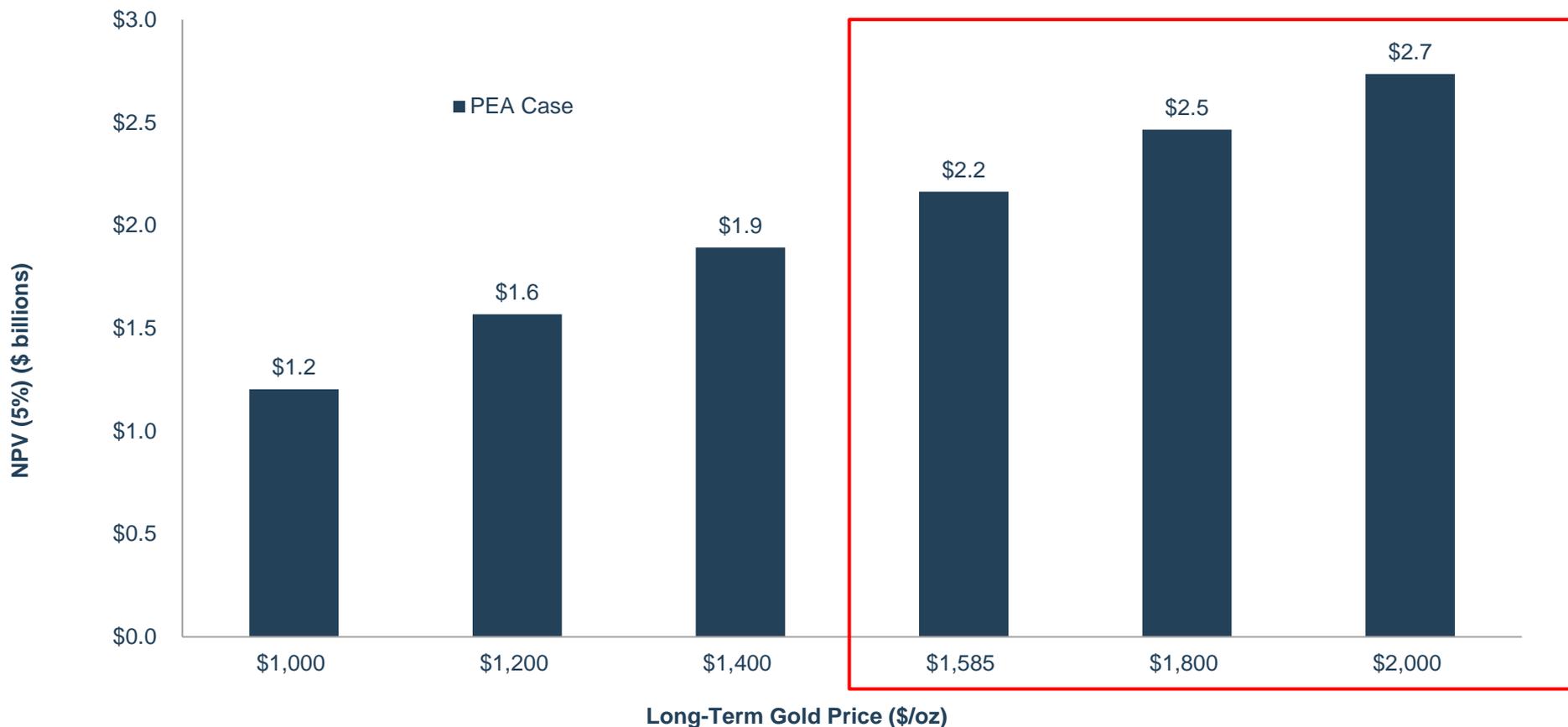
Item	Unit	PEA Case
Oxide Processed		
Heap Leach Quantity	kt	25,008
Gold Feed Grade	g/t	1.69
Sulfide Processed		
Quantity Milled	kt	54,073
Gold Feed Grade	g/t	2.33
Total Gold Produced		
Oxide – Gold	koz	956
Sulfide – Gold	koz	3,691
Total – Gold	koz	4,646
Oxide – Gold Recovery	%	68
Sulfide – Gold Recovery	%	91
5-Year Annual Average ⁽¹⁵⁾		
Total Gold Produced	oz	306
Production Costs ⁽¹³⁾	\$/oz Au	701
All-in Sustaining Costs (AISC) ⁽¹⁴⁾	\$/oz Au	886
Key Financial Results		
Production Costs ⁽¹³⁾	\$/oz Au	726
All-in Sustaining Costs (AISC) ⁽¹⁴⁾	\$/oz Au	893
Site Operating Costs	\$/t treated	42.87
After-Tax NPV (5%)	\$M	2,164
Mine Life	years	22

CDMP20: Alternate PEA Case Valuation Sensitivities



After-Tax NPV Sensitivity ^(3,17)

NPV (5%)	Units	Long-Term Gold Price (\$/oz)					
		\$1,000	\$1,200	\$1,400	\$1,585	\$1,800	\$2,000
PEA Case	\$ billions	\$1.2	\$1.6	\$1.9	\$2.2	\$2.5	\$2.7



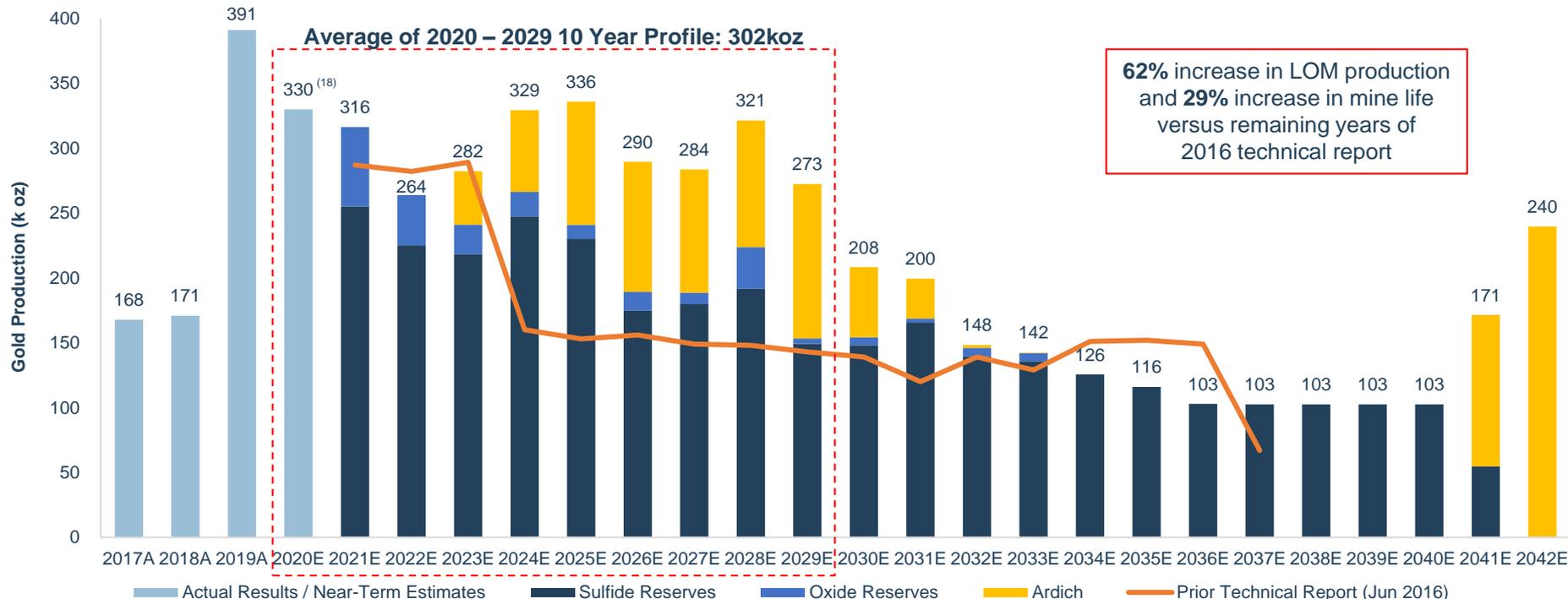
- Gold prices utilized: 2021 - \$1,965 / oz; 2022 - \$1,835 / oz; 2023 - \$1,745 / oz; 2024 - \$1,645 / oz; Long-Term - \$1,585 / oz

CDMP20: Alternate PEA Case Potential Increased Production

‘Tier 1’ operation with additional upside



PEA Case Life of Mine Production Summary (3,17)

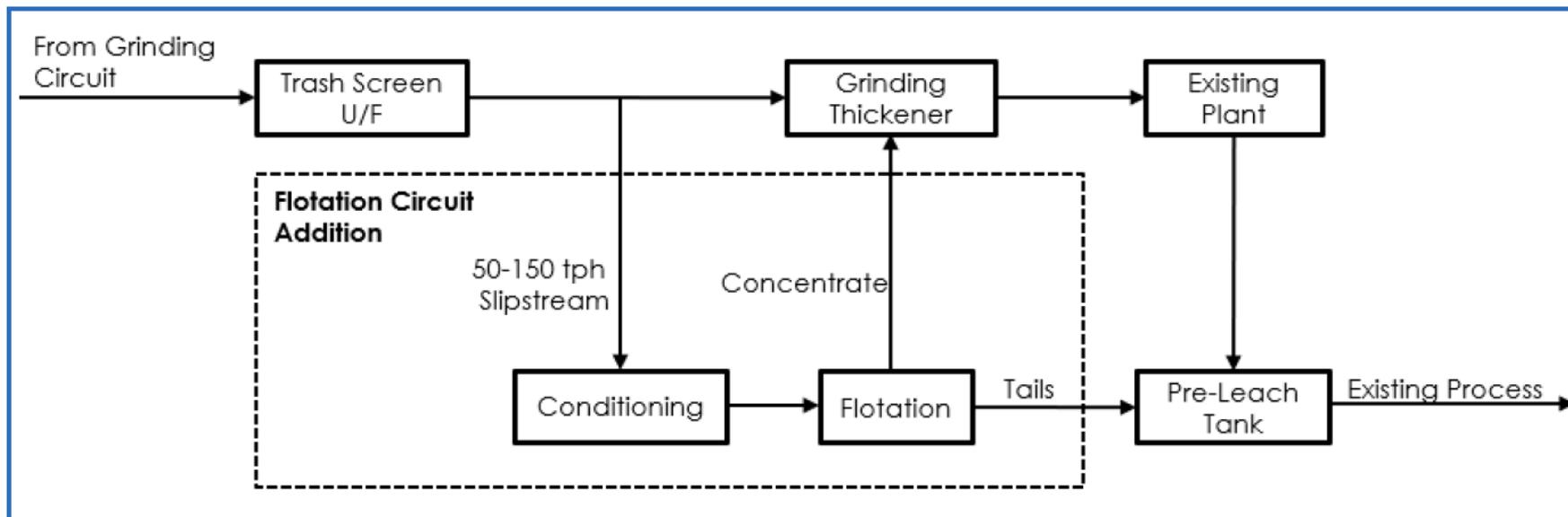


	Units	2021 - 2025	2021 - 2030	Life of Mine
Average Annual Production	Au koz	306	290	211
Total Production	Au koz	1,528	2,903	4,646
Production Costs ⁽¹³⁾	\$ / Au oz	\$701	\$745	\$726
AISC ⁽¹⁴⁾	\$ / Au oz	\$886	\$917	\$893
Average Annual Free Cash Flow	\$M	\$249	\$207	\$138
Total Free Cash Flow	\$M	\$1,244	\$2,069	\$3,033

CDMP20: Flotation Circuit

Low-capital intensity plant addition

Flotation Circuit Addition



Overview

- Incorporation of a new flotation circuit in the existing sulfide plant to upgrade sulfide sulfur to fully utilize POX autoclave oxidation capacity is in detailed design and construction
- Circuit is incorporated between grinding and acidulation by taking a bleed/slip stream from the grinding thickener feed, floating gold bearing sulfides and returning the sulfide concentrate to the grinding thickener to be combined with direct POX feed and flotation tails directly to gold leaching
- Increase in total plant throughput is achieved by utilizing latent capacity within the crushing and grinding circuit
- Designed to operate in the throughput range of 50 - 150 tph to produce a concentrate to supplement the feed ore sulfide sulfur to maintain an autoclave sulfide sulfur maximum of 13.75 tph at a maximum autoclave feed rate of 280 tph

Main Benefits

- Increases overall plant throughput rate and lowers operating costs at minimal capital cost
- Fully utilizes installed plant capacity in particular, grinding and POX circuit capacities
- Reduces reagent consumption
- Lowers processing cost and cut-off grade, increasing Mineral Reserves
- Improves settled density of tailings increasing the holding capacity of existing and future TSF space

CDMP20: PEA Case Ardich Overview

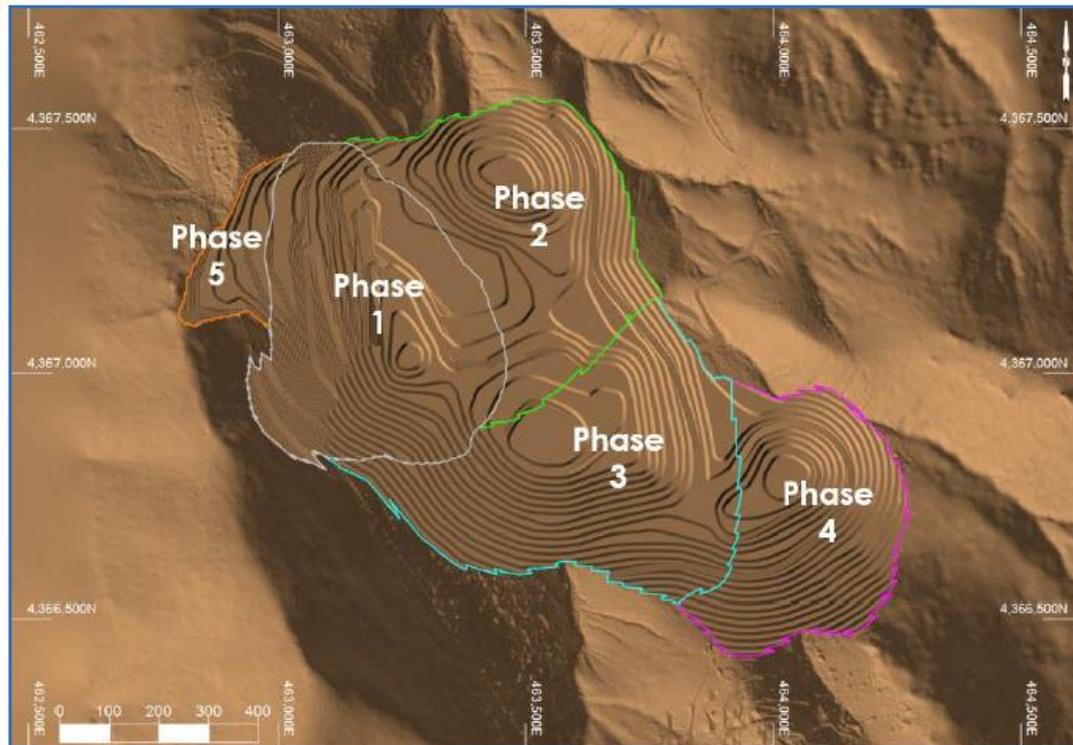
Strong potential for resource growth

Overview

- Ardich was discovered in August 2017 and is located 1.5 km north of Çakmaktepe and includes two areas: Main and East
- Current resource model, constructed by SSR Mining personnel, was completed in June 2020
- Drillhole dataset contains a total of 233 Ardich holes with a drill date range of September 2017 – December 2019
 - Total drilling of Ardich dataset: 43,412 m
- Requires development of a new open pit and infrastructure that is 6 km from the current Çöpler pit and 1 km from the Çakmaktepe pit
- Open pit mining is undertaken using excavators and trucks and operated by a mining contractor, as at the Çöpler pit
- Five pit phases with good prospect for further optimization

Drilling is continuing at Ardich and is expected to further define the Mineral Resource

PEA Pit Design



Ardich Mineral Resources (2)

Oxides	Tonnes (kt)	Grade	Contained	Sulfides	Tonnes (kt)	Grade	Contained
		Au (g/t)	Au (koz)			Au (g/t)	Au (koz)
Measured	4,707	1.63	246	Measured	695	2.56	57
Indicated	12,817	1.62	666	Indicated	2,231	3.71	266
Total Measured & Indicated	17,524	1.62	912	Total Measured & Indicated	2,926	3.43	323
Inferred	4,713	1.62	246	Inferred	782	4.24	107

Marigold: Q3 2020 Results



Location: Nevada, USA **Stage:** Production **Ownership:** 100%
Mining: Open pit **Processing:** Run-of-mine, heap leach **Land:** ~20,000 ha

Marigold Rope Shovel



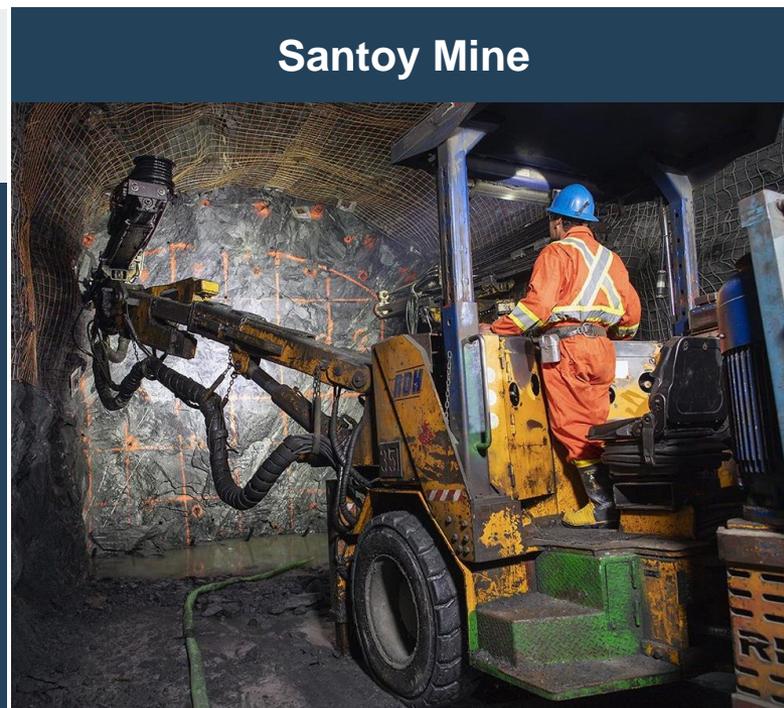
- Third consecutive quarter of >20 million tonnes of material moved
 - Shorter haulage cycles & increased shovel fleet capacity
- Stacked >73,000 recoverable gold ounces in Q3'20
- Majority of recoverable gold ounces stacked at low elevations on leach pads to facilitate faster leach recovery times
- Gold grade stacked of 0.43 gpt, a +40% increase from Q2'20 and in line with mine plan
- Ongoing fleet upgrades leading to higher efficiencies
- Costs impacted by higher royalty expense due to higher gold prices

Mine Site Figures		2020 Guidance ⁽¹⁾	YTD 2020	Q3 2020
Gold Production	Au koz.	225 – 240	158	49
Mine-site AISC ⁽⁷⁾	\$ / Au oz.	\$1,170 - \$1,230	\$1,297	\$1,243
Total Capital <i>(Sustaining Capital, Growth Capital, Capitalized Stripping, Exploration)</i>	\$M	\$96	\$66	\$17
Pre-Tax Cash Flow <i>(Income from Mine Operations + Depreciation – Exploration – Capital Expenditures)</i>	\$M		\$70	\$35

Seabee: Q3 2020 Results

Location: Saskatchewan, Canada **Stage:** Production **Ownership:** 100%
Mining: Underground **Processing:** Gravity concentration, cyanide leaching **Land:** ~60,000 ha (including earn-in)

- Fully ramped up from temporary COVID-19 suspension
- Restart of processing operations in early Aug 2020
- Mill throughput of 1,271 tonnes per day in Sept 2020, a mine site monthly record
- Ore stockpile of over 17,000 tonnes at Sept 30th, 2020
- Costs impacted by lower production volumes, COVID-19 costs and G&A expenses associated with ramp up to full production
- Plant and fleet maintenance progressed during temporary suspension
- Tailings expansion project resumed full construction activities in August



Mine Site Figures		2020 Guidance ⁽¹⁾	YTD 2020	Q3 2020
Gold Production	Au koz.	80 – 90	50	20
Mine-site AISC ⁽⁷⁾	\$ / Au oz.	\$770 - \$820	\$1,035	\$988
Total Capital <i>(Sustaining Capital, Growth Capital, Capitalized Development, Exploration)</i>	\$M	\$38	\$30	\$11
Pre-Tax Cash Flow <i>(Income from Mine Operations + Depreciation – Exploration – Capital Expenditures)</i>	\$M		\$27	\$16

Puna: Q3 2020 Results

Location: Argentina **Stage:** Production **Ownership:** 100%
Mining: Open pit **Processing:** Flotation **Land:** ~10,000 ha



Chinchillas Mine

- Fully ramped up from temporary COVID-19 suspensions
- Health and safety of employees and local communities our highest priority
- Significant ore stockpiles at Puna; milling operations prioritized in Q3 2020 over mining operations
- Mining and milling activities operating at expected levels in October 2020
- Plant and fleet maintenance progressed during COVID shutdown
- Process plant continues to operate at better than design
- Mine-site AISC of \$11.26 per ounce silver in Q3 2020, highlighting strong margins

Mine Site Figures		2020 Guidance ⁽¹⁾	YTD 2020	Q3 2020
Gold Production	Ag Moz.	4.9 – 5.3	3.4	1.3
Mine-site AISC ⁽⁷⁾	\$ / Ag oz.	\$15.00 - \$17.00	\$15.03	\$11.26
Total Capital <i>(Sustaining Capital, Growth Capital, Capitalized Stripping, Exploration)</i>	\$M	\$28	\$11	\$5
Pre-Tax Cash Flow <i>(Income from Mine Operations + Inventory Write-Down + Depreciation – Exploration – Capital Expenditures)</i>	\$M		\$24	\$17



Appendix

Executive Team and Board of Directors

Depth of experience and track record of delivery



Executive Team



Rodney Antal
President, Chief Executive Officer



Stewart Beckman
EVP, Chief Operating Officer



Edward Farid
EVP, Chief Corporate Development Officer



Gregory Martin
EVP, Chief Financial Officer



Michael Sparks
EVP, Chief Legal & Administrative Officer

Board of Directors



Michael Anglin
Chairman



Thomas Bates
Director



Brian Booth
Director



Edward Dowling
Director



Simon Fish
Director



Alan Krusi
Director



Beverlee Park
Director



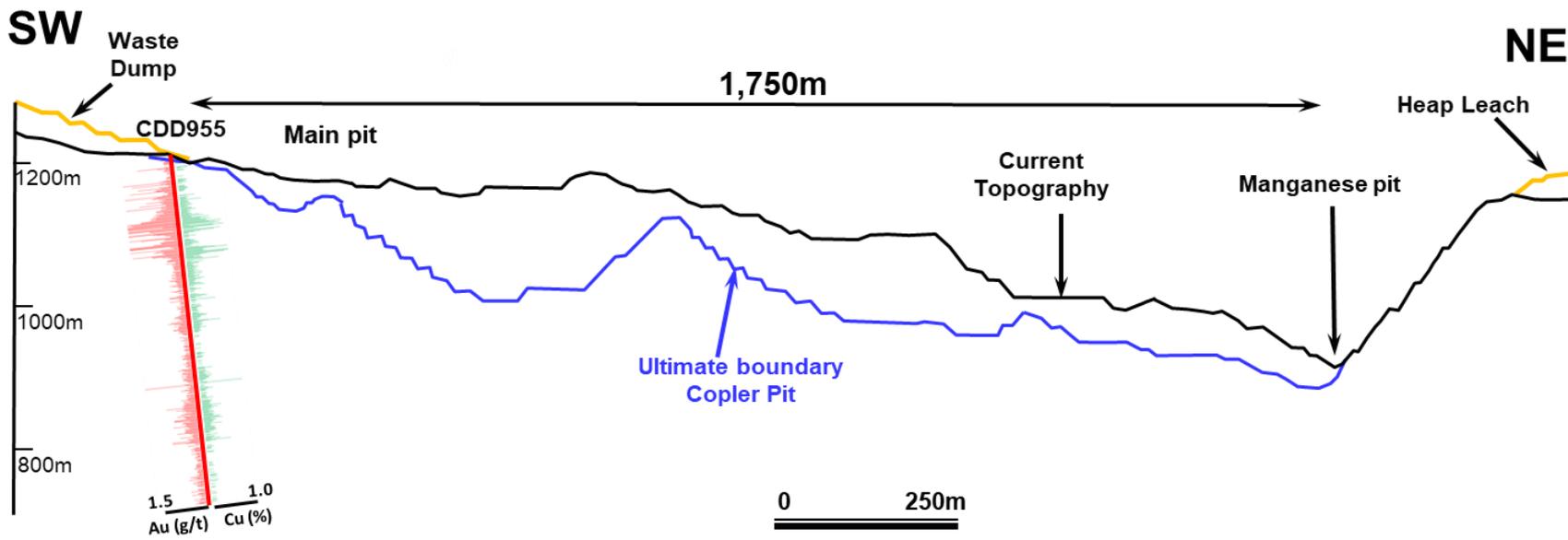
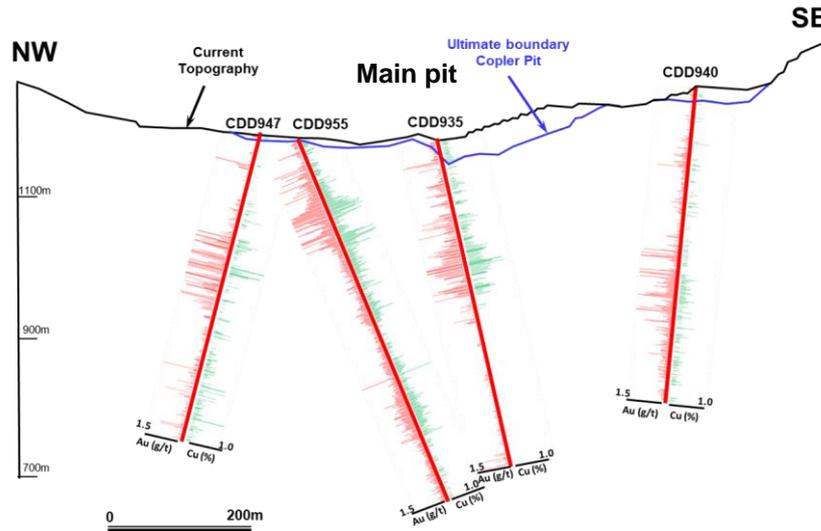
Kay Priestly
Director



Elizabeth Wademan
Director

C2 Copper Gold Porphyry - Below Çöpler Main Pit

Intercept of 0.74% CuEq¹⁶ over 241.5m, including 1.77% CuEq¹⁶ Over 32m





Operational

Production

- On-track to meet 2020 updated production guidance
- Q3 2020: 164 koz AuEq (*full quarter of Çöpler*)
 - Çöpler: 77 koz (*full quarter*)
 - Marigold: 49 koz
 - Seabee: 20 koz
 - Puna: 18 koz AuEq
- YTD 2020: 492 koz AuEq (*year-to-date production across all four operating assets*)
- Seabee and Puna operating at full capacity

Cost Metrics ⁽⁷⁾

- Expect full year consolidated AISC to be within guidance range of \$965 - \$1,040 per AuEq ounce (*full year AISC across all four operating assets*)
- Q3 2020: \$1,034 AISC per AuEq ounce



Growth

- Completed at-market merger with Alacer Gold
- Çöpler District Technical Report released
 - Sulfide plant
 - Flotation circuit
 - Ardich development plans
 - Mineral Reserves & Resources update
- Exploration programs progress across portfolio
 - Turkey (Çöpler, Ardich, C2)
 - Marigold (Trenton Canyon, Valmy)
 - Seabee (Gap HW, Fisher)



Financial

- Liquidity
 - Consolidated cash of \$773M ⁽⁶⁾
 - Debt of \$458M
 - Consolidated net cash position of \$315M ⁽⁶⁾
- Q3 2020 EPS
 - Attributable EPS of \$0.19
 - Adjusted attributable EPS of \$0.49 ⁽¹¹⁾
- Capital Returns
 - New corporate dividend announced
 - Base annual dividend of \$0.20 per share
 - May be supplemented with additional dividends and / or share buybacks

Selected Q3 2020 Financial Results



Financial Highlights ⁽¹²⁾

	Units	Q3 2020	Q3 2019
Gold Equivalent Production	oz	106,838	104,775
Gold Sales	oz	99,495	78,928
Silver Sales	Moz	1.2	1.5
Total Gold Equivalent Sales	oz	115,312	95,112
Revenue	\$M	\$225.4	\$147.8
Income from Mine Operations	\$M	\$83.2	\$51.9
Net Income	\$M	\$25.1	\$18.1
Attributable Net Income	\$M	\$26.8	\$20.7
Basic Attributable Earnings per share	\$	\$0.19	\$0.17
Adjusted Attributable Net Income	\$M	\$67.8	\$35.8
Adjusted Basic Attributable Earnings per share	\$	\$0.49	\$0.29
Cash Generated by Operating Activities	\$M	\$44.1	\$54.8
Consolidated Cash	\$M	\$772.8	\$474.5

EPS Bridge



1. Please see our news release dated September 18, 2020. Gold equivalent production and AISC are based on a 74:1 gold to silver ratio. AISC is a non-GAAP financial measure. See "Cautionary Note Regarding Non-GAAP Measures" in this presentation.
2. Mineral Reserves and Mineral Resources for Marigold, Seabee, Puna, San Luis, Pitarrilla, and Amisk as at December 31, 2019. Çöpler, Ardich, Çakmaktepe, and Bayramdere as at November 2020. Mineral Reserves and Mineral Resources are shown on a 100% basis. Mineral Resources are stated inclusive of Mineral Reserves. Gold equivalent Mineral Reserves and Mineral Resources are gold and silver only (exclude copper, lead and zinc) and are based on a 70:1 gold to silver ratio.
3. These statements and estimates are extracted from, or based on, the Çöpler District Master Plan 2020 Technical Report, dated November 30, 2020.
4. Based on the aggregate of the "street" consolidated consensus estimates over 2 years (2021 to 2022 inclusive) for SSR Mining sourced from an average of BMO, Canaccord, CIBC, Cormark, NBF, PI Financial, RBC, Scotiabank and UBS research estimates as at November 11, 2020. Peer group estimates sourced from Bloomberg and Capital IQ. Estimates are intended to provide an "order of magnitude" indication for illustrative and comparison purposes only, and are not intended to be, and should not be treated as, a forecast, estimate or guidance made, adopted, confirmed or endorsed by SSR Mining.
5. Free cash flow is a non-GAAP financial measure. Free cash flow per gold equivalent ounce is defined as operating cash flow less capex divided by gold equivalent production. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.
6. Consolidated cash balance, a non-GAAP financial measure, as at September 30, 2020. SSR Mining's consolidated cash included restricted cash of \$35 million and attributable cash held by joint ventures of \$4 million as at September 30, 2020. Debt balance is the sum of the short term and long-term portion of finance facility totaling \$228 million and the face value of 2019 convertible notes of \$230 million as disclosed in SSR Mining's unaudited condensed consolidated financial statements as at September 30, 2020. See "Cautionary Note Regarding Non-GAAP Measures" in this presentation.
7. AISC per payable ounce of gold and silver sold are non-GAAP financial measures. See "Cautionary Note Regarding Non-GAAP Measures" in this presentation.
8. Based on Alacer Gold and SSR Mining 2019 sustainability reports. Based on 2019 data.
9. Basic market capitalization as at November 11, 2020.
10. Based on the aggregate of the "street" consensus estimates; Capital IQ as at November 11, 2020. Consensus estimates are intended to provide an "order of magnitude" indication for illustrative and comparison purposes only, and are not intended to be, and should not be treated as, a forecast, estimate or guidance made, adopted, confirmed or endorsed by SSR Mining. EBITDA is a non-GAAP financial measure. See "Cautionary Note Regarding Non-GAAP Measures" in this presentation.
11. Adjusted basic attributable earnings per share is a non-GAAP financial measure. See "Cautionary Note Regarding Non-GAAP Measures" in this presentation.
12. Gold sales, silver sales and gold equivalent sales are on a 100% basis. Gold equivalent sales are based on total gold and silver sales and the realized silver and gold prices for each corresponding period. Realized metal prices, adjusted attributable net income, adjusted basic attributable earnings per share, and consolidated cash are non-GAAP financial measures. Please see "Cautionary Note Regarding Non-GAAP Measures" in this presentation.
13. Production costs are determined on a per ounce produced basis and do not consider the application of inventory movements or deferred stripping. Production costs do not equate to cash costs prepared under SSR Mining non-GAAP measures.
14. All in Sustaining Cost (AISC) are determined on a per ounce produced basis and do not consider the application of inventory movements or deferred stripping. AISC do not equate to AISC prepared under SSR Mining non-GAAP measures.
15. 5-Year annual average is for the period January 2021 to December 2025.
16. Copper equivalent calculated as $CuEq = [Cu\ ppm + ((Au\ ppm * Au\ price(g)) / Cu\ price(g)) / 10000]$. Based upon metal prices of \$1,750/oz gold and \$3.00/pound copper with recovery assumed to be 100% as no metallurgical test data is available. CuEq will change proportionally to the metal's relative recoveries once metallurgical test work is complete. Intervals reported are sections with more than 0.2%CuEq (and a minimum 0.1%Cu) and less than of 5 meters contiguous dilution.
17. The PEA Case is preliminary in nature and includes an economic analysis that is based, in part, on Inferred Mineral Resources. Inferred Mineral Resources are considered too speculative geologically for the application of economic considerations that would allow them to be categorized as Mineral Reserves, and there is no certainty that the results will be realized. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.
18. 2020E gold production of 330k ounces calculated based on year-to-date actual production of 244k ounces, plus 86k ounces of estimated gold production in Q4 2020.



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